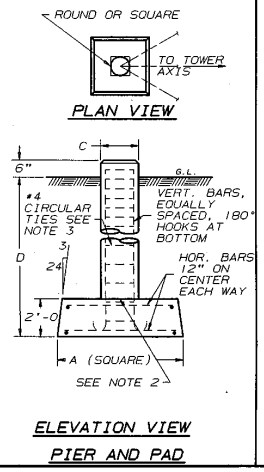
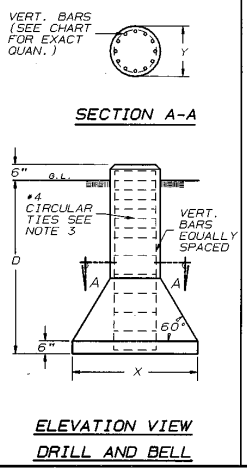
FDN. I.D. NO.	MAX ANCHOR BOLT SIZE, ALL FND TYPES	LIMITS FOR TYPES 1,2 & 3			PIER AND PAD (TYPE 1)								DRILL AND BELL (TYPE 2)						DRILLED PIER (TYPE 3)					MAT (TYPE 4)			
		ALLOW. LEG LOAD (KIPS)	ALLOW. SHEAR (KIPS PER LEG)	MIN ANCHOR BOLT SIZE (NOTE 6)	MIN FACE SPREAD	D	A	C	VERT. BARS	HOR. BARS	REQ'D CONC. (CU. YDS. 3 FDNS) ROUND	REQ'D CONC. (CU. YDS. 3 FDNS) SQUARE	MIN FACE SPREAD	D	X	Y	VERT. BARS	REQ'D CONC. (CU. YDS. 3 FDNS)	MIN FACE SPREAD	D	Y	VERT. BARS	REQ'D. CONC. (CU. YDS. 3 PIERS)	MAX FACE SPREAD	MAX O.T.M. FOOT KIPS	W	REQ'D CONC. (CU. YDS.) (NOTE 7)
F1	(4) 5/8	4.5		N/A																				1' 6	12.8	4' 0	2.4
F2	(4) 5/8	11.2		N/A																				2' 10	33.2	5' 6	4.5
F3	(4) 5/8	19.6		N/A																				3' 11	61.5	6' 9	6.8
F4	(4) 5/8	28.0		N/A																				5' 0	102	8' 0	9.5
F5	(4) 5/8	36.0		N/A																				5' 8	133	8' 9	11.3
F6	(4) 7/8	33.7	4.0	5/8X42	6' 6	8' 0	4' 6	2' 0	8 #6	#6	6.3	6.9												7' 7	304	11' 6	19.6
F7	(4) 7/8	43.6	6.0	5/8X42	8' 6	8' 9	5' 6	2' 0	8 #7	#6	8.7	9.4	7' 6	11' 0	4' 6	2' 6	10 #6	7.8	7' 6	16' 0	2' 6	10 #6	9.0	10' 0	578	14' 3	30.1
F8	(4) 7/8	52.5	6.0	5/8X42	8' 6	8' 9	5' 6	2' 0	8 #7	#6	8.7	9.4	7' 6	11' 0	4' 6	2' 6	10 #6	7.8	7' 6	18' 6	2' 6	10 #6	10.4	11' 1	819	16' 0	37.9
F9	(4) 7/8	56.0	8.0	5/8X42	8' 6	9' 0	5' 6	2' 0	8 #7	#6	8.8	9.5	7' 6	11' 0	5' 0	2' 6	10 #6	8.7	7' 6	19' 6	2' 6	10 #6	10.9	13' 0	1210	18' 3	49.3
F10	(4) 1	64.9	10.0	3/4X48	8' 6	10' 0	5' 6	2' 6	8 #8	#6	10.8	12.0	7' 6	12' 0	5' 0	2' 6	10 #6	9.2	7' 6	21' 9	2' 6	10 #6	12.2	14' 11	1780	20' 9	63.8
F11	(4) 1	85.6	10.0	3/4X48	8' 6	11' 0	5' 6	2' 6	10 #8	#6	11.3	12.7	8' 0	12' 6	6' 0	2' 6	10 #6	11.8	9' 0	22' 9	3' 0	12 #6	18.3	16' 10	2430	23' 0	78.4
F12	(6) 1	114.0	15.0	7/8X60	9' 6	12' 0	6' 3	3' 0	12 #8	#6	16.3	18.5	9' 0	14' 0	6' 6	3' 0	10 #7	16.7	10' 6	25' 0	3' 6	12 #7	27.3	19' 11	3610	26' 3	102
F13	(6) 1	129.0	15.0	7/8X60	10' 0	12' 6	6' 6	3' 0	12 #8	#6	17.3	19.7	9' 0	14' 0	7' 0	3' 0	12 #7	18.4	10' 6	27' 6	3' 6	12 #7	30.0				
F14	(6) 1	152.0	15.0	7/8X60	11' 0	13' 0	7' 3	3' 0	12 #8	#6	19.9	22.4	9' 3	15' 0	7' 3	3' 0	12 #8	20.1	12' 0	30' 0	4' 0	12 #8	42.6				
F15	(8) 1	184.0	20.0	7/8X60	12' 6	13' 9	7' 9	3' 6	16 #8	#6	25.6	29.2	10' 6	16' 0	8' 0	3' 6	12 #8	27.6	12' 0	38' 0	4' 0	12 #8	53.8				
F16	(8) 1	215.0	25.0	1X78	14' 0	14' 0	8' 9	3' 6	16 #8	#6	29.4	33.1	10' 9	16' 0	8' 9	3' 6	16 #8	31.4	13' 6	38' 0	4' 6	16 #8	68.0				
F17	(8) 1	242.0	25.0	1X78	15' 3	14' 0	9' 9	3' 6	16 #9	#7	33.4	37.1	11' 3	17' 0	9' 3	3' 6	16 #8	35.4	13' 6	44' 0	4' 6	16 #8	78.6				
F18	(8) 1	268.0	35.0	1X78	16' 6	14' 0	10' 9	4' 0	21 #9	#7	42.0	46.7	12' 0	17' 0	9' 9	4' 0	16 #9	42.7	13' 6	49' 0	4' 6	16 #8	87.5				

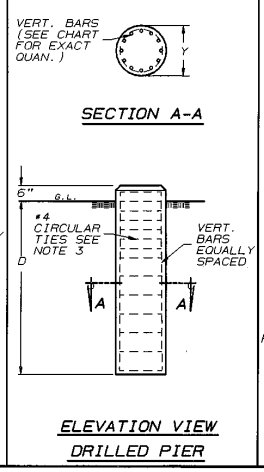
NOTE: MAX O.T.M. IS ABOUT MAT CENTERLINE AT BOTTOM OF MAT.



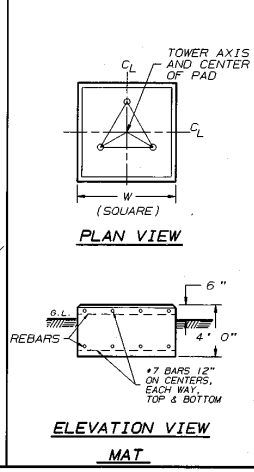
ELEVATION VIEW
PIER AND PAD



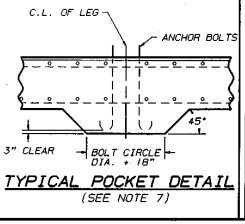
ELEVATION VIEW
DRILL AND BELL



ELEVATION VIEW
DRILLED PIER



ELEVATION VIEW
MAT



TYPICAL POCKET DETAIL
(SEE NOTE 7)

GENERAL NOTES

1. FOR REQUIRED MATERIAL SPECIFICATIONS, INSTALLATION NOTES, AND TOLERANCES SEE DRAWING NUMBER 884300.
2. ROUGHEN CONSTRUCTION JOINT TO A FULL AMPLITUDE OF 1/4 INCH.
3. CIRCULAR TIES TO BE PLACED ON 3 INCH CENTERS FOR TOP 4 FEET AND 12 INCH CENTERS FROM 4 FEET TO BOTTOM, WITH 22 INCH LAPS.
4. FOR ANCHOR BOLT SETTING TEMPLATE INFORMATION AND BASE DETAILS SEE DRAWING NUMBER B730521.
5. FOR ANCHOR BOLT SIZE AND QUANTITY SEE ANCHOR BOLT LAYOUT DWG. FOR TOWER.
6. MIN ANCHOR BOLT SIZE SHOWN IS REQUIRED FOR DEVELOPMENT WITH VERTICAL REINFORCING BARS. LARGER ANCHOR BOLTS MAY BE REQUIRED BASED ON TOWER REACTIONS.
7. ANCHOR BOLTS OVER 48" LONG REQUIRE POCKETS UNDERNEATH EACH LEG FOR MAT FOUNDATIONS. CONCRETE VOLUME INDICATED IN TABLE DOES NOT INCLUDE VOLUME OF POCKETS. SEE TYPICAL POCKET DETAILS FOR MAT FOUNDATION.

No.	Revision Description	Date	By	Chkd By	Appd By
R2	ADDED LARGER MATS	2/8/88	SPH	WHN	KK

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ROHN

Drafter: HOME	By:	Date:
Drawn:	MDU	12-10-87
Checked:	RAM	5/2/88
App. Eng.:	XX	5/2/88
App. Sales:	AE	5-2-88

Title: STANDARD FOUNDATIONS FOR SELF SUPPORTING TOWERS

END. FILE:

DRAWING NO.: DB70532 R2